

APRIL/MAY 2023

**GOAM15B/DOAM15B — BASICS OF
MICROBIOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define – Yeast?
2. Who is father of microbiology?
3. Define Prokaryote?
4. Define capsule.
5. Define Thallus.
6. What are the media used to cultivated algae?
7. Define Virion.
8. What is cell culture?
9. Define pseudopodia .
10. Write the examples of protozoan flagellate.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain about the principle and application of phase contrast microscope.

Or

- (b) Write about the structure and function of bacterial cell wall.

12. (a) Brief a note on microalgae.

Or

- (b) Give a note on general characteristics of fungi.

13. (a) Write the classification of protozoa.

Or

- (b) Briefly explain the reproduction method of protozoan.

14. (a) Explain the morphology of viruses.

Or

- (b) Explain animal viruses with example..

15. (a) Brief note on scope of microbiology.

Or

- (b) Write about the contribution of Pasteur.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a note on virus classification.

17. Give an account on cultivation of fungal organism.

18. Enlist the discoveries of Koch's postulates and Fleming.

19. Discuss about the electron microscope.

20. Give Detail account on Plasmodium lifecycle.